

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE**  
**STATEMENT BY APPLICANT**

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**COMPLETE IF KNOWN**

<b>Application Number</b>	10/814,474
<b>Filing Date</b>	March 31, 2004
<b>First Named Inventor</b>	Sachs, Jeffrey R. et al.
<b>Group Art Unit</b>	2881
<b>Examiner Name</b>	Berman, Jack I.
<b>Attorney Docket Number</b>	21344Y

Sheet

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of

4

Attorney Docket Number

21344Y

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Jack Berman

Date  
Considered

1/11/2005

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NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
JIB		Andersen, J. et al. "Proteomic characterization of the human centrosome by protein correlation profiling", Nature, 2003, Vol. 426, pp. 570-574
JIB		Ball, G. et al. "An integrated approach utilizing artificial neural networks and SELDI mass spectrometry for the classification of human tumours and rapid identification of potential biomarkers", Bioinformatics, 2002, Vol. 18, pp. 395-404
JIB		Banez, L. et al. "Diagnostic Potential of Serum Proteomic Patterns in Prostate Cancer", The Journal of Urology, 2003, Vol. 170, pp. 442-446
JIB		Chelius, D. et al. "Quantitative Profiling of Proteins in Complex Mixtures Using Liquid Chromatography and Mass Spectrometry", Journal of Proteome Research, 2002, Vol. 1, pp. 317-323
JIB		Fang, J. et al. "Quadratic Detectors for Energy Estimation", IEEE Trans. Signal Processing, 1995, Vol. 43, pp. 2582-2594
JIB		Flory, M. et al. "Advances in quantitative proteomics using stable isotope tags", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S23-S29
JIB		Frank, R. et al. "Clinical Biomarkers in Drug Discovery and Development", Nature, 2003, Vol. 2, pp. 566-580
JIB		Friedman, D. et al. "Proteome analysis of human colon cancer by two-dimensional difference gel electrophoresis and mass spectrometry", Proteomics, 2004, Vol. 4, pp. 793-811
JIB		Gillespie, B. et al. "Optimizing Time-Frequency Kernels for Classification", IEEE Transactions of Signal Processing, 2001, Vol. 49, pp. 485-496
JIB		Glish, G. et al. "The Basics of Mass Spectrometry in the Twenty-First Century", Nature, 2003, Vol. 2, pp. 140-150
JIB		Hastings, C. et al. "New algorithms for processing and peak detection in liquid chromatography/mass spectrometry data", Rapid Communications in Mass Spectrometry, 2002, Vol. 16, pp. 462-467
JIB		Idborg-Bjorkman, H. et al. "Screening of Biomarkers in Rat Urine Using LC/Electrospray Ionization-MS and Two-Way Data Analysis", Analytical Chemistry, 2003, Vol. 75, pp. 4784-4792
JIB		Issaq, H. et al. "SELDI-TOF MS for Diagnostic Proteomics", Analytical Chemistry, 2003, Vol. 75, pp. 149A-155A
JIB		Juang, B. et al. "On the Use of Bandpass Filtering in Speech Recognition", 1987, Vol. ASSP-35, pp. 947-954
JIB		Lee, Y. et al. "Protein chips: from concept to practice", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S14-S18

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JPB		Lieberman, S. et al. "Identification of the $\beta$ cell antigen targeted by a prevalent population of pathogenic CD8+ T cells in autoimmune diabetes", Proc. Natl. Acad. Sci. USA, 2003, Vol. 100, pp. 8384-8388
JPB		Lim, C. et al. "Current Development in LC-MS for Pharmaceutical Analysis", Biol. Pharm. Bull., 2002, Vol. 25, pp. 547-557
JPB		Link, A. et al. "Direct analysis of protein complexes using mass spectrometry", 1999, Nature Biotechnology, Vol. 17, pp. 676-682
JPB		Link, A. "Multidimensional peptide separations in proteomics", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.) pp. S8-S13
JPB		Naureckiene, S. et al. "Identification of <i>HE1</i> as the Second Gene of Niemann-Pick C Disease", Science, 2000, Vol. 290, pp. 2298-2301
JPB		Ong, S. et al. "Mass spectrometric-based approaches in quantitative proteomics", Methods, 2003, Vol. 29, pp. 124-130
JPB		Ong, S. et al. "Properties of $^{13}\text{C}$ -Substituted Arginine in Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC)", Journal of Proteome Research, 2003, Vol. 2, pp. 173-181
JPB		Ong, S. et al. "Stable Isotope Labeling by Amino Acids in Cell Culture, SILAC, as a Simple and Accurate Approach to Expression Proteomics", Molecular & Cellular Proteomics, 2002, Vol. 1, pp. 376-386
JPB		Pauler, D. et al. "Predicting time to prostate cancer recurrence based on joint models for non-linear longitudinal biomarkers and event time outcomes", Statistics in Medicine, 2002, Vol. 21, pp. 3897-3911
JPB		Petricoin, E. et al. "Proteomic analysis at the bedside: early detection of cancer", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S30-S34
JPB		Petricoin, E. et al. "Serum Proteomic Patterns for Detection of Prostate Cancer", Journal of the National Cancer Institute, 2002, Vol. 94, pp. 1576-1578
JPB		Petricoin, E. et al. "Use of proteomic patterns in serum to identify ovarian cancer", The Lancet, 2002, Vol. 359, pp. 572-577
JPB		Pitton, J. et al. "Discrete-Time Implementation of the Cone-Kernel Time-Frequency Representation", IEEE Trans. Signal Processing, 1995, Vol. 43, pp. 1996-1998
JPB		Qu, Y. et al. "Boosted Decision Tree Analysis of Surface-enhanced Laser Desorption/Ionization Mass Spectral Serum Profiles Discriminates Prostate Cancer from Noncancer Patients", Clinical Chemistry, 2002, Vol. 48, pp. 1835-1843
JPB		Ryan, T. et al. "Proteomics: drug target discovery on an industrial scale", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S45-S51

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JPB		Sechi, S. et al. "Quantitative proteomics using mass spectrometry", Current Opinion in Chemical Biology, 2003, Vol. 7, pp. 70-77
JPB		Sidransky, D. et al. "Serum Protein MALDI Profiling to Distinguish Upper Aerodigestive Tract Cancer Patients From Control Subjects", Journal of the National Cancer Institute, 2003, Vol. 95, pp. 1711-1717
JPB		Smith, R. "Trends in mass spectrometry instrumentation for proteomics", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S3-S7
JPB		Tammen, H. et al. "Expression profiling of breast cancer cells by differential peptide display", Breast Cancer Research and Treatment, 2003, Vol. 79, pp. 83-93
JPB		Tao, W. et al. "Advances in quantitative proteomics via stable isotope tagging and mass spectrometry", Current Opinion in Biotechnology, 2003, Vol. 14, pp. 110-118
JPB		Uchida, T. et al. "Application of a Novel Protein Biochip Technology for Detection and Identification of Rheumatoid Arthritis Biomarkers in Synovial Fluid", Journal of Proteome Research, 2002, Vol. 1, pp. 495-499
JPB		Wang, W. et al. "Quantification of Proteins and Metabolites by Mass Spectrometry without Isotopic Labeling or Spiked Standards", Analytical Chemistry, 2003, Vol. 75, pp. 4818-4826
JPB		Wiener, M. et al. "Differential Mass Spectrometry: A Label-Free LC-MS Method for Finding Significant Differences in Complex Peptide and Protein Mixtures", Analytical Chemistry, 2004, Vol. 76, pp. 6085-6096
		<del>Williams, A. et al. "Compare LC/MS - Extracting Component Differences in Similar LC/MS Data Sets", Advanced Chemistry Development, 2001</del>
JPB		Ye, B. et al. "Haptoglobin- $\alpha$ Subunit As Potential Serum Biomarker in Ovarian Cancer: Identification and Characterization Using Proteomic Profiling and Mass Spectrometry", Clinical Cancer Research, 2003, Vol. 9, pp. 2904-2911
JPB		Zhu, W. et al. "Detection of cancer-specific markers amid massive mass spectral data", Proc. Natl. Acad. Sci. USA, 2003, Vol. 100, pp. 14666-14671
JPB		Caprion Pharmaceuticals, Inc., Presentation to Merck, February 14, 2003

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